

Amendments to the Specification

This version of paragraph 44 will replace all prior versions and listings, and contains no new subject matter therein:

[0044] Referring to Figure 7, an arrangement 700 is shown for a self-tuning dual mass wherein the self-tuning is the result of electromagnetic feedback. As with the hub 505 and outer ring 550 of Figure 5, there is a hub 705 rigidly affixed to an outer ring 750. An inner ring 714 is co-centered with the hub 705 and connected by radial cantilever springs 712. The outer ring is connected to cantilever springs 752. These springs 752 are directed radially inward toward the inner ring 714 and terminate in sheaths 770 that surround an arc of the ring 714 (like two inter-linked annuli). Where the sheaths 770 and ring 714 have an applied current, an electromagnetic bond is established between them. Where the currents are varied, the degree of coupling is adjusted, thus providing for variance in spring forces (springs 712 plus some proportion of springs 752) that effect oscillation of ring 712 about the hub ~~[[704]]~~705.